

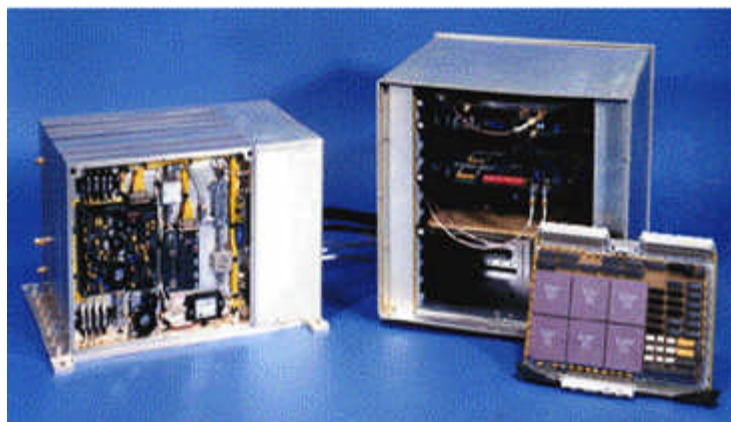
Time Critical Cueing; Compressive Cued Hybrid Receiver (CCHR)



Date Revised: 15 Jan 03

VENDOR DESCRIPTION

The CCHR provides improved intercept of today's air defense threats and emerging threats. The CCHR, used as a time-critical-cueing sensor, provides an adjunct capability for existing and/or new threat detection systems to address this critical mission area. The overall benefit of the CCHR is its ability to detect side lobe and back lobe emissions of short on-time threats with a high probability of detection over a wide bandwidth.



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Misc

Hardware

Power: 60 watts

Dimensions: 254mm x 533mm x 305mm

Weight: 62 lbs

Internal Volume: 0.041 m³ or 1.46 ft³

Typical Performance

Instantaneous Operating Bandwidth: 500 MHz

Effective Noise Bandwidth: 5 MHz

Sensitivity (Note 1): -90 dBm (without antenna gain)

Internal Volume: 0.041 m³ or 1.46 ft³

Frequency Resolution: 1 MHz

Pulse Width Measurement: 25 nsec resolution; ± 25 nsec accuracy

Simultaneous Signal Resolution: 15 MHz - 50 MHz (amplitude-dependent)

Amplitude: 0.5 dB Resolution; ± 1 dB Accuracy

Instantaneous Dynamic Range: 60 dB

TOA: 12.5 nsec Resolution and Accuracy

Note 1: -90 dBm for >500 nsec pulse width. Additional performance can include a minimum pulse width detection of 100 nsec, with a sensitivity of -84 dBm, if required.